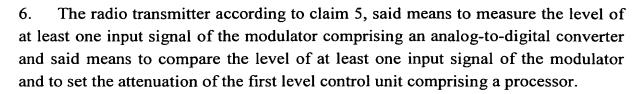
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## Claims

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- 1. A method to reduce interference in a radio transmitter which comprises, listed in the direction of propagation of signal, at least one differential amplifier, a modulator, first level control unit, a power amplifier, a directional coupler and an antenna as well as a feedback path from the directional coupler to said differential amplifiers, which feedback path comprises a second level control unit and a demodulator to linearize the radio transmitter, the method comprising steps:
- the level of at least one input signal of the said modulator is measured,
- the level measured is compared to a certain reference level,
- the attenuation of the first level control unit is increased if the level measured is lower than the reference level, and
  - the attenuation of the first level control unit is decreased if the level measured is higher than the reference level.
  - 2. The method according to claim 1, measures to set the attenuation of the first level control unit being carried out in conjunction with manufacture of the radio transmitter.
  - 3. The method according to claim 1, where the radio transmitter functions according to a system based on time division technology, measures to set the attenuation of the first level control unit being carried out repeatedly in a free time slot of said system when the radio transmitter is in operation.
  - 4. The method according to claim 1, where the radio transmitter functions according to a system based on time division technology, measures to set the attenuation of the first level control unit being carried out repeatedly in a transmission time slot of said system when the radio transmitter is in operation.
- 5. A radio transmitter comprising, listed in the direction of propagation of signal, at least one differential amplifier to produce a difference of a baseband input signal and a feedback signal, a modulator, a first level control unit, a power amplifier, a directional coupler and an antenna as well as a feedback path from the directional coupler to said differential amplifiers, which feedback path comprises a second level control unit and a demodulator to linearize the radio transmitter, the radio transmitter further comprising a means to measure the level of at least one input signal of the modulator and to compare that level to a certain reference level and to set the attenuation of the first level control unit on the basis of a result of the comparison.



- 7. The radio transmitter according to claim 5, said means to measure the level of at least one input signal of the modulator and to compare the level to a certain reference level, and to set the attenuation of the first level control unit, comprising an analog comparator and amplifier.
- 8. A radio apparatus comprising a transmitter having a Cartesian loop, which includes a modulator and a first level control unit connected to an output thereof, the transmitter further having a means to measure a level of at least one input signal of the modulator and to compare that level to a certain reference level and to set the attenuation of the first level control unit on the basis of a result of the comparison.